

GOVERNMENT OF TELANGANA
ABSTRACT

Irrigation & CAD Department – Operation & Maintenance (O&M) - Certain Amendments to G.O.Ms.No.33, dt:12-6-2017 and guidelines for replacement /repairs of major spare parts costing more than Rs. 5,000/, for smooth maintenance and functioning of all the Lift Schemes – Orders – Issued.

IRRIGATION AND CAD (REFORMS) DEPARTMENT

G.O.Ms.No.20

Dated:27-04-2021

Read the following:

- 1.G.O.Rt.No. 318, I&CAD(Reforms)Department, dt: 15.05.2015.
- 2.G.O.Ms.No. 33, I&CAD(Reforms)Department, dt: 12.06.2017.
3. Govt. Memo No.3652/ Reforms/2017, Dt: 25.01.2018.
4. From the Engineer-in-Chief (I), Lr No.ENC(I)/DCE-IV/OT-4/AEE-11/O&M Committee, Dt:09.08.2018,07.09.2018,6.5.2019, 4.11.2019.
5. From the Engineer-in-Chief (I), Lr No.ENC(I)/DCE-IV/OT-4/AEE-11/ O&M Committee, dt.14.07.2020 and 4.11.2020

ORDER:-

1. In the G.O 2nd read above, the Government have issued orders for Operation & Maintenance (O&M) Policy and Preparation of estimates for the Lift Irrigation Schemes.
2. In the reference 5th read above, the ENC (I), I&CAD Department has reported that subsequent to issue of G.O.Ms.No.33, I&CAD(Reforms)Department, dt:12-6-2017 certain issues were faced in running of Lift schemes such as;
 - i) Availability of experienced & qualified technical staff for working on seasonal basis for 6 months operational period and availability of maintenance staff in non-pumping period of 6 months.
 - ii) Though provision of 0.75% of capital cost of EM equipment was made in the estimate, guidelines for its utilization were not finalized.
3. The Engineer-in-Chief (I), I&CAD Department has further reported that the above aspects have been discussed in detail in the State Level Standing Committee meeting held on 10-07-2018 along with the Advisor, Lifts and Advisor (Technical) and the SLSC has recommended certain modifications to the provisions of G.O.Ms.No.33, Dt: 12.06.2017 and furnished the guidelines for replacement / repairs of major spare parts costing more than Rs. 5,000/ for approval.
4. Government after careful examination of the matter, based on the recommendations made by SLSC hereby issue the following Amendments to G.O.Ms No. 33, I&CAD (Reforms) Department, Dt: 12.06.2017 and approve the guidelines for replacement / repairs of major spare parts costing more than Rs. 5,000/. Appended to this Order as Annexure-1

Clause	As per G.O Ms. 33	Amended as
3.2 (b)	As these schemes are expected to run from 90 days to 180 days depending upon the availability of water in the concerned storages/river basins, the technical Manpower has to be provided for running and idle period round the clock although on different scale. It is felt necessary to engage three (3) shifts for running period and a single general shift for carrying out maintenance activities for idle period. For non-running period only maintenance staff needs to be deployed. Similarly, the numbers of running and maintenance	Operations and Maintenance staff for various pumping stations has to be provided throughout the year as per Table-1 In addition to the above revised man power for lift schemes, additional man power consisting of one Fitter, one Welder and one Helper may be engaged for every 30 km length of pressure main for the Projects needed, for two shifts. The above additional man power shall be provided for the Projects where the length of pressure

	staff also depends on the size, technology and number of pumps in the pumping station. Keeping these factors in view, the Table 1 gives indicative requirement of shift duty and maintenance personnel.	main is more than 30 Km. In case where the pressure main length is 10 km to 30 km, man power consisting of one Fitter or Welder with one Helper may be engaged for one shift only.
3.2	Table-1 (i) and (ii)	To be replaced with Table-1
3.2 (c)	The Basic Pay of Executive Engineer shall be taken for estimating the emoluments of Team Leader. The Basic Pay for Graduate/Diploma Engineers shall be taken in to account for calculating emoluments of Graduate/Diploma Engineers. For other supporting staff, the current Standard Schedule of Rates/ Outsourcing rates shall be taken. 5% and 10% escalation shall be provided over the current rates for 2nd and 3 rd year respectively towards salary of personnel.	The Emoluments for personnel may be calculated as per Table-2
3.2 (d)	Provision towards replacement/ repairs of small spare parts costing up to Rs.5000/- shall be made in the estimate @ Rs 5,000/- per month per pump house for pumping period . This amount shall be included in the ECV and through rate shall be worked out. The agency has to attend the repairs and replacements costing upto Rs 5,000/- at his own cost.	Provision towards replacement /repairs of small spare parts costing up to Rs.5000/- shall be made in the estimate @ Rs 5,000/- per month per pump house for operation and maintenance period . This amount shall be included in the ECV and through rate shall be worked out. The agency has to attend the repairs and replacements costing up to Rs 5,000/- at his own cost.
3.2 (e)	Provision towards replacement/ repairs of major spare parts costing more than Rs. 5,000/- for reimbursement to the agency shall be as per actual expenditure for which 0.75% on capital cost of E&M Equipment is to be provided in the estimate. The agency has to procure the spare parts for timely repairs. Separate guidelines shall be issued for the authority of approval for replacement /repairs of major spare parts.	Provision towards replacement /repairs of major spare parts costing more than Rs. 5,000/- for reimbursement to the agency shall be as per actual expenditure for which 0.75% on capital cost of E&M Equipment is to be provided in the estimate. The agency has to procure the spare parts for timely repairs. Guidelines as per Annexure-1 shall be followed for replacement/ repairs of major spare parts.
3.2 (f)	Provision towards statutory taxes (VAT, Cess, Service Tax etc.,) and other civil engineering items as per the necessity of individual Pumping Stations should be provided	Provision towards statutory taxes, GST and other civil engineering items as per the necessity of individual Pumping Stations should be provided
3.3 (f)	The pumping stations actual availability shall be measured on a monthly basis which shall be maintained at above 95%. Any fall below 85% shall attract financial cuts from the maintenance team and contractor.	The pumping operation period as decided by the Superintending Engineer in charge from time to time and actual availability shall be measured with respect to the operation period fixed on monthly basis which shall be maintained at above 95%. Any fall below 95% shall attract penalty from the Agency for the delay factors which are attributable to him. The operation period fixed shall take into account all the relevant factors viz., availability of water, requirement of pumping days etc.,
3.4	Other issues	New clause 3.4 (e) to be added <u>3.4 (e) Contractor Registration Committee (for O&M works of pumping station)</u> The Commissioner of Tenders shall do the registration of contractors for O&M works of pumping stations. Separate

		<p>guidelines will be issued by the Advisor, Lifts for contractor's registration. A pool of at least 15-20 qualified and competent Agencies needs to be developed expeditiously for meeting the O&M needs of various Lift Schemes.</p> <p>As per Central Electricity Authority (CEA) norms, the escalation for the second year is at 6.64% over the current rates. However Consumer Price Index (CPI) shall be applied and Price Adjustment should be provided accordingly in the Agreements. For all the existing LI Schemes which are already in O&M stage, the executing agencies following completion of their agreement O&M period, for the subsequent years the O&M charges shall be paid at the agreement rates with escalation at 6.5% per year on the preceding year.</p>
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5. This order issues with the concurrence of Finance (WP) Department vide their U.O.No.700164/127/WP/A1/2020, Dated: 06.10.2020.
6. The Engineer-in-Chief (General) I&CAD Dept., Hyderabad and the Engineer-in-Chief (O & M) I&CAD Dept., Hyderabad shall take further necessary action in the matter.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**Dr. RAJAT KUMAR
SPECIAL CHIEF SECRETARY TO GOVERNMENT**

To

The Engineer-In-Chief (General),I&CAD Dept., Hyderabad.

The Engineer-In-Chief (O & M), I&CAD Dept., , Hyderabad.

All Engineer-In-Chief's and the Chief Engineers, Irrigation & CAD Department.

Copy to:-

The Finance (WP) Department.

The Accountant General / Principal Accountant General, Telangana, Hyderabad.

The Director Works & Accounts, Telangana, Hyderabad.

P.S. to Hon'ble Chief Minister.

P.S. Special Chief Secretary, I&CAD Department.

The Dy. Director Monitoring Wing, I&CAD Department.

All Sections / Officers in I&CAD Department.

SF/SC (C.No.3652/Reforms/2017)

//FORWARDED::BY ORDER//

SECTION OFFICER

**Table-1
G.O MS. No.20, I&CAD (Reforms) Dept., dt.27.04.2021**

Operations and Maintenance Staff - Nos.

S.N o	Designation	1 to 3 Pumps in Pumping station		4 to 6 Pump in Pumping station		7 to 10 Pump in Pumping station	
		Operati on Staff	Mainten ance Staff	Operat ion Staff	Mainten ance Staff	Operati on Staff	Mainten ance Staff
1	Team leader (EE Cadre)	—	—	—	—	—	—

2	Station Manager (DEE Cadre)	1	—	1	—	1	—
3	Technical Staff (AEE Cadre)	3	2	3	2	6	3
4	Operator (AE cadre)	3	2	4	2	6	3
5	ITI Cadre, Electricians	3	2	4	2	6	3
6	Vehicle with driver	2	1	2	1	2	1
7	Lift/Crane Operator	—	1	—	2	—	2
8	Spare Driver	—	—	—	—	—	—
9	Security	—	3	—	4	—	4
10	Accounts officer	—	—	—	—	—	—
11	Office Assistant	—	—	—	—	—	—
12	Office Subordinate	—	—	—	—	—	—
13	Sweepers (Women/Men)	—	2	3	4	—	5
14	Mazdoors (Women/Men)	2	3	—	3	4	4
15	Surge shaft/pressure main monitoring persons	—	3	—	4	—	5
	Total Staff	14	19	17	24	25	30
	Grand Total	33		41		55	

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Table-2 G.O Ms. No.20, I&CAD (Reforms) Dept., dt.27.04.2021			
S.No.	Designation	Emoluments	
1	Team leader (EE cadre)	Pay+DA+HRA (20%)	Considering basic minimum of the scale
2	Station manager (DEE cadre)	Pay+DA+HRA (12%)	
3	Technical Staff and Maintenance Engineers (AEE cadre)	Pay+DA+HRA (12%)	

4	<i>Operators and Technical Assistants (AE cadre)</i>	<i>Pay+DA+HRA (12%)</i>	
5	<i>ITI Cadre, Electrician / Surge shaft/pressure main monitoring persons (Tracer cadre)</i>	<i>Pay+DA+HRA (12%)</i>	
6	<i>Accounts officer (Senior Asst. cadre)</i>	<i>Pay+DA+HRA (12%)</i>	
7	<i>Fitter/Electrician/ Welder</i>	<i>Pay+DA+HRA (12%)</i>	
8	<i>Office subordinate</i>	<i>Pay+DA+HRA (12%)</i>	<i>As per Govt. orders on outsourcing rates</i>
9	<i>Lift/ crane operator</i>	<i>Pay+DA+HRA (12%)</i>	
10	<i>Driver</i>	<i>Pay+DA+HRA (12%)</i>	
11	<i>Sweepers/washroom attendants</i>		
12	<i>Mazdoor/Un-skilled labour/Gardner</i>		<i>As per current SSR</i>
13	<i>Security</i>	<i>Rs. 18,000 Per month</i>	<i>Provision is made as per the salary of office subordinate</i>
14	<i>Vehicle with driver</i>	<i>Rs. 55,000 per month</i>	<i>Provision is made as per market rates</i>

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SECTION OFFICER

Annexure-1
G.O MS No.20, I&CAD (Reforms) Dept., dt.27.04.2021

GUIDELINES FOR REPLACEMENT/REPAIRS OF MAJOR PARTS COSTING MORE THAN Rs 5,000/-

The following guidelines and modalities shall be followed for meeting the expenditure for replacement/repairs of major spare parts.

Authority of approval for operating the 0.75% provision under part-B of Estimate:

Type of repair/ Maintenance work or activity	Amount of expenditure	Powers delegated for approval

Motor, Pump components and all other miscellaneous components/ works	Upto Rs 50.00 lakhs	Superintending Engineer in charge of P.S by way of tenders
	Rs 50 to Rs 100 Lakhs	Chief Engineer in charge of P.S by way of tenders
	Above Rs 100 lakhs and up to 0.75% of EM & HM estimated cost	State Level Standing Committee (SLSC) by way of tenders

All the Superintending Engineers who are in charge of pumping stations, whose E&M and H&M equipment cost is Rs.100 Crores and above may be provided with an amount of Rs.100 lakhs as operational fund to be kept under his control, for meeting the expenditure of repairs/replacements of E&M equipment of plant and attending all Hydro Mechanical and civil works in the pumping station and making payments in time after getting the works done. This amount is to be replenished after spending 50% and on furnishing details of expenditure to the O&M committee through the Chief Engineer.

O&M Review and Monitoring Committee

The State Level Standing Committee shall look after the O&M works of pumping stations with the special invitees of (i) Advisor, Lift Irrigation Schemes and (ii) Chief Engineer, GENCO/Chief Engineer, TRANSCO as per necessity.

Guidelines for executing the maintenance works including spares:

Superintending Engineer's level:

- i) Up to and below 5 lakhs on single item/part item/works at a time for repairs/ replacement/ procurement in advance for rolling stock of E&M and H&M equipment, maintenance of works and all other miscellaneous components/works on three quotations basis duly following all procedures in vogue and execute under intimation to the concerned Chief Engineer.
- ii) 5 lakhs above and below 50 lakhs on single item/part item/works at a time for repairs/replacement/ procurement in advance for rolling stock of E&M and H&M equipment, maintenance of works and all other miscellaneous components/works by calling tenders/ open tenders including short tenders as per necessity after taking necessary approvals from the Chief Engineer concerned and following all procedures in vogue for calling tenders.

Chief Engineer's level:

- i) Above 50 Lakhs and upto 100 lakhs on single item/part item/works at a time for repairs/replacement/ procurement in advance for rolling stock of E&M and H&M equipment, maintenance of works and all other miscellaneous components/works by calling open tenders after receipt of proposals from the Superintending Engineer concerned and following all procedures in vogue for open tenders.
- ii) Above 100 Lakhs and up to 0.75% of E&M and H&M cost on single item/part item/works at a time for repairs/replacement/ procurement in advance for rolling stock of E&M and H&M equipment, maintenance of works and all other miscellaneous components/works on calling open tenders after taking approval of State Level Standing Committee (SLSC).
- iii) For major repairs/maintenance works costing more than 0.75% of E&M and H&M equipment estimated cost, Government approval is to be taken before taking up the works/repairs.

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